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<u>L12</u> (front end\$) near7 (two near5 input\$)	61	<u>L12</u>
<u>L11</u> L10 and l1	21	<u>L11</u>
<u>L10</u> 717/136,137,139,141,142,143,144,146,150.ccls.	1077	<u>L10</u>
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<u>L5</u>	(front end) near5 (specification\$ or source\$ or program\$ or original\$) and (front end) near7 (grammar\$ or syntax\$) and (back end\$)and (tree\$ or node\$)	0	<u>L5</u>
	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>		
<u>L4</u>	(front end) near5 (specification\$ or source\$ or program\$ or original\$) and (front end) near7 (grammar\$ or syntax\$) and (back end\$)and (tree\$ or node\$)	4	<u>L4</u>
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<u>L3</u>	L2 and (tree\$ or node\$)	30	<u>L3</u>
<u>L2</u>	L1 and (back end\$)	37	<u>L2</u>
<u>L1</u>	(front end) near5 (specification\$ or source\$ or program\$ or original\$) and (front end) near7 (grammar\$ or syntax\$ or syntac\$)	54	<u>L1</u>

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IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

☐ 1. Visualization/animation of programs based on abstract representations a mappingsPereira, M.J.V.; Henriques, P.R.;
Human-Centric Computing Languages and Environments, 2001. Proceedings on

5-7 Sept. 2001 Page(s):373 - 381

Digital Object Identifier 10.1109/HCC.2001.995294

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IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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**1. A VHDL based design environment for VLSI circuits**

Vyas, M.C.; Reddy, G.N.;
Southeastcon '89. Proceedings. 'Energy and Information Technologies in the S
9-12 April 1989 Page(s):401 - 405 vol.2
Digital Object Identifier 10.1109/SECON.1989.132409

[AbstractPlus](#) | Full Text: [PDF](#)(312 KB) IEEE CNF**2. DML-a meta-language and system for the generation of practical and efficient from denotational specifications**

Patterson, M.; Fritzson, P.;
Computer Languages, 1992., Proceedings of the 1992 International Conference
20-23 April 1992 Page(s):127 - 136
Digital Object Identifier 10.1109/ICCL.1992.185475

[AbstractPlus](#) | Full Text: [PDF](#)(760 KB) IEEE CNF**3. Visualization/animation of programs based on abstract representations and mappings**

Pereira, M.J.V.; Henriques, P.R.;
Human-Centric Computing Languages and Environments, 2001. Proceedings
on
5-7 Sept. 2001 Page(s):373 - 381
Digital Object Identifier 10.1109/HCC.2001.995294

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21 [Retargetable Compiler Code Generation](#)



Mahadevan Ganapathi, Charles N. Fischer, John L. Hennessy

December 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 4

Publisher: ACM Press

Full text available: pdf(1.93 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

22 [Toward an engineering discipline for grammarware](#)



Paul Klint, Ralf Lämmel, Chris Verhoef

July 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(710.42 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Grammarware comprises grammars and all grammar-dependent software. The term *grammar* is meant here in the sense of all established grammar formalisms and grammar notations including context-free grammars, class dictionaries, and XML schemas as well as some forms of tree and graph grammars. The term *grammar-dependent software* refers to all software that involves grammar knowledge in an essential manner.

Archetypal examples of grammar-dependent software are parsers, program converters ...

Keywords: Grammarware, automated software engineering, best practices, generic language technology, grammar-dependent software, grammars, language processing, metamodeling, model-driven development, parsers, software evolution, software transformation

23 [A Tutorial on Algol 68](#)



Andrew S. Tanenbaum

June 1976 **ACM Computing Surveys (CSUR)**, Volume 8 Issue 2

Publisher: ACM Press

Full text available: pdf(2.92 MB)

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1 [GENOA—a customizable, front-end-retargetable source code analysis framework](#)



Premkumar T. Devanbu

April 1999 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 8 Issue 2

Publisher: ACM Press

Full text available: pdf(241.27 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Code analysis tools provide support for such software engineering tasks as program understanding, software metrics, testing, and reengineering. In this article we describe GENOA, the framework underlying application generators such as Aria and GEN++ which have been used to generate a wide range of practical code analysis tools. This experience illustrates front-end retargetability of GENOA; we describe the features of the GENOA framework that allow it to be ...

Keywords: code inspection, metrics, reverse engineering, source analysis

2 [A single-pass syntax-directed front end for Ada](#)



T. P. Baker

June 1982 **ACM SIGPLAN Notices , Proceedings of the 1982 SIGPLAN symposium on Compiler construction SIGPLAN '82**, Volume 17 Issue 6

Publisher: ACM Press

Full text available: pdf(842.95 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the front-end processor of an Ada compiler that is under development at Florida State University. The compiler is coded in Pascal, to execute on a CDC Cyber system, and is presently targeted to the Z8000 microprocessor architecture. Owing at least in part to the peculiar origins and changing goals of this project, the front end processor is rather unlike those of the other Ada compilers of which we know. Perhaps its most distinctive feature is that it operates in one pa ...

3 [Handling context-sensitive syntactic issues in the design of a front-end for a MATLAB compiler](#)



Pramod G. Joisha, Abhay Kanhere, Prithviraj Banerjee, U. Nagaraj Shenoy, Alok Choudhary

March 2001 **ACM SIGAPL APL Quote Quad**, Volume 31 Issue 3

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IEEE JNL IEEE Journal or Magazine

IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

**1. Phobos: a front-end approach to extensible compilers**

Granicz, A.; Hickey, J.;

System Sciences, 2003. Proceedings of the 36th Annual Hawaii International C
6-9 Jan 2003 Page(s):10 pp.

Digital Object Identifier 10.1109/HICSS.2003.1174890

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Tao Xie; Notkin, D.;
Software Engineering, IEEE Transactions on
Volume 31, Issue 10, Oct. 2005 Page(s):869 - 883
Digital Object Identifier 10.1109/TSE.2005.107
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- ☐ 2. **Generating efficient protocol code from an abstract specification**
Castelluccia, C.; Dabbous, W.; O'Malley, S.;
Networking, IEEE/ACM Transactions on
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- ☐ 3. **Generator of efficient strongly typed abstract syntax trees in Java**
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- ☐ 4. **The Performance Penalty of XML for Program Intermediate Representatio**
Anderson, P.;
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- ☐ 5. **A system for specification and rapid prototyping of application command**
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Digital Object Identifier 10.1109/32.42742
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Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction:
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Digital Object Identifier 10.1109/43.205006

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- ☐ **7. Automated scalability analysis of message-passing parallel programs**
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Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction
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